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Service-Oriented Computing – ICSOC 2011 Workshops

ICSOC 2011 International Workshops
WESOA, NFPSLAM-SOC, and Satellite Events
Paphos, Cyprus, December 5-8, 2011
Revised Selected Papers

Volume Editors

George Pallis

E-mail: gpallis@cs.ucy.ac.cy

Mohamed Jmaiel

E-mail: mohamed.jmaiel@enis.rnu.tn

Anis Charfi

E-mail: anis.charfi@sap.com

Sven Graupner

E-mail: sven.graupner@hp.com

Yücel Karabulut

E-mail: yuecel.karabulut@sap.com

Sam Guinea

E-mail: guinea@elet.polimi.it

Florian Rosenberg

E-mail: rosenberg@ibm.com

Quan Z. Sheng

E-mail: qsheng@cs.adelaide.edu.au

Cesare Pautasso

E-mail: c.pautasso@ieee.org

Sonia Ben Mokhtar

E-mail: sonia.ben-mokhtar@liris.cnrs.fr

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Preface

This volume contains the proceedings of the scientific satellite events that were held in conjunction with the 2011 International Conference on Service-Oriented Computing, held during December 5–8, 2011 in Paphos, Cyprus. Such satellite events traditionally play a key role in stimulating active exchange and interaction related to the conference topics. This year, the scientific program was particularly rich and addressed various challenging research issues. The selected scientific satellite events were organized around the following three main tracks:

- **Workshop Track:** This ICSOC's workshop program comprised two workshops on current topics, presenting results and work in progress: (1) the Workshop on Engineering Service-Oriented Applications (WESOA 2011), organized for the seventh time in the context of ICSOC, addressed topics from the area of software engineering services; and (2) the 5th Workshop on Non-Functional Properties and SLA Management in Service-Oriented Computing (NFPSLAM-SOC 2011) looked at the management of service level agreements in the context of service-oriented computing.
- **Phd Symposium Track:** The ICSOC 2011 PhD Symposium, as part of the ICSOC conference, was an international forum for PhD students working in the broad areas of service computing, Web services and service engineering to present and discuss emerging research problems and ideas on how to tackle these issues.
- **Demonstration Track:** The ICSOC 2011 Demonstration Program comprised eight practical contributions addressing general or domain-specific challenges of service-oriented computing, and of its transition toward cloud computing.
- **Industry Track:** A key goal of the Industry Track was to expose the academic and industrial research communities to practical real-life problems in the focus areas of ICSOC 2011. Six papers were selected after the review process. These papers describe applications, prototypes or case studies with practical relevance, and report on work that was conducted in collaboration with industry partners. Various topics were covered in the Industry Track such as architecture and modeling of services, service composition, performance analysis as well as crowdsourcing for improving service processes and for knowledge discovery.

A special thanks goes to the satellite event authors, keynote speakers and panelists who together contributed to this important aspect of the conference. It is our great pleasure and privilege to present these proceedings. We hope that these proceedings will serve as a valuable reference for researchers and practitioners working in the service-oriented computing domain and its emerging applications.

February 2012

Mohamed Jmaiel
 George Pallis
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